S. Teng

1646

**CRF Errors Corrected by th STIC Systems Branch**

**Serial Numb r:** 09/077,173A

CRF Processing Dat : 6/14/99
Edited by:
Verified by: AJ (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

ENTERED

☑ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☑ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☑ Other: added (A) identifier to CURR APP NO. heading

*Examin r: The abov corrections must be communicated to the applicant in th first Office Action. DO NOT s nd a copy of this form.

3/1/95

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/077,173A*



*INPUT SET: S32212.raw*

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

(1) General Information:

--> **(i) APPLICANT:**
--> **(A) NAME: EUROSCREEN S.A.**
--> **(B) STREET: Avenue des Becassines 7**
--> **(C) CITY: BRUXELLES**
--> **(E) COUNTRY: BELGIUM**
--> **(F) POSTAL CODE (ZIP): 1160**

--> **(A) NAME: COMMUNI DIDIER**
--> **(B) STREET: Groendallaan 19**
--> **(C) CITY: VILVOORDE**
--> **(E) COUNTRY: BELGIUM**
--> **(F) POSTAL CODE (ZIP): 1800**

--> **(A) NAME: PIROTTON SABINE**
--> **(B) STREET: Avenue Marius Renard 27a**
--> **(C) CITY: BRUXELLES**
--> **(E) COUNTRY: BELGIUM**
--> **(F) POSTAL CODE (ZIP): 1070**

--> **(A) NAME: PARMENTIER MARC**
--> **(B) STREET: Chausses d'Uccle 304**
--> **(C) CITY: LINKEBEEK**
--> **(E) COUNTRY: BELGIUM**
--> **(F) POSTAL CODE (ZIP): 1604**

--> **(A) NAME: BOEYNAEMS JEAN-MARIE**
--> **(B) STREET: Avenue Peter Benoit 5**
--> **(C) CITY: WEMMEL**
--> **(E) COUNTRY: BELGIUM**
--> **(F) POSTAL CODE (ZIP): 1780**

**(ii) TITLE OF INVENTION: RECEPTOR AND NUCLEIC ACID MOLECULE ENCODING SAID RECEPTOR**

**(iii) NUMBER OF SEQUENCES: 4**

(iv) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

(vi) (v) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: WO PCT/BE 96/00123

(vii) PRIOR APP DATA:

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 1429 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:
(A) NAME/KEY: CDS
(B) LOCATION:181..1275

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

```
AAGGGAGCTT GGGTAGGGGC CAGGCTAGCC TGAGTGCACC CAGATGCGCT TCTGTCAGCT      60

CTCCCTAGTG CTTCAACCAC TGCTCTCCCT GCTCTACTTT TTTTGCTCCA GCTCAGGGAT     120

GGGGGTGGGC AGGGAAATCC TGCCACCCTC ACTTCTCCCC TTCCCATCTC CAGGGGGGCC     180

ATG GCC AGT ACA GAG TCC TCC CTG TTG AGA TCC CTA GGC CTC AGC CCA       228
Met Ala Ser Thr Glu Ser Ser Leu Leu Arg Ser Leu Gly Leu Ser Pro
  1               5                  10                  15

GGT CCT GGC AGC AGT GAG GTG GAG CTG GAC TGT TGG TTT GAT GAG GAT       276
Gly Pro Gly Ser Ser Glu Val Glu Leu Asp Cys Trp Phe Asp Glu Asp
             20                  25                  30

TTC AAG TTC ATC CTG CTG CCT GTG AGC TAT GCA GTT GTC TTT GTG CTG       324
Phe Lys Phe Ile Leu Leu Pro Val Ser Tyr Ala Val Val Phe Val Leu
         35                  40                  45

GGC TTG GGC CTT AAC GCC CCA ACC CTA TGG CTC TTC ATC TTC CGC CTC       372
Gly Leu Gly Leu Asn Ala Pro Thr Leu Trp Leu Phe Ile Phe Arg Leu
     50                  55                  60

CGA CCC TGG GAT GCA ACG GCC ACC TAC ATG TTC CAC CTG GCA TTG TCA       420
Arg Pro Trp Asp Ala Thr Ala Thr Tyr Met Phe His Leu Ala Leu Ser
 65                  70                  75                  80

GAC ACC TTG TAT GTG CTG TCG CTG CCC ACC CTC ATC TAC TAT TAT GCA       468
Asp Thr Leu Tyr Val Leu Ser Leu Pro Thr Leu Ile Tyr Tyr Tyr Ala
                 85                  90                  95

GCC CAC AAC CAC TGG CCC TTT GGC ACT GAG ATC TGC AAG TTC GTC CGC       516
Ala His Asn His Trp Pro Phe Gly Thr Glu Ile Cys Lys Phe Val Arg
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100                 100                 105                 110
101
102   TTT CTT TTC TAT TGG AAC CTC TAC TGC AGT GTC CTT TTC CTC ACC TGC       564
103   Phe Leu Phe Tyr Trp Asn Leu Tyr Cys Ser Val Leu Phe Leu Thr Cys
104           115                 120                 125
105
106   ATC AGC GTG CAC CGC TAC CTG GGC ATC TGC CAC CCA CTT CGG GCA CTA       612
107   Ile Ser Val His Arg Tyr Leu Gly Ile Cys His Pro Leu Arg Ala Leu
108       130                 135                 140
109
110   CGC TGG GGC CGC CCT CGC CTC GCA GGC CTT CTC TGC CTG GCA GTT TGG       660
111   Arg Trp Gly Arg Pro Arg Leu Ala Gly Leu Leu Cys Leu Ala Val Trp
112   145                 150                 155                 160
113
114   TTG GTC GTA GCC GGC TGC CTC GTG CCC AAC CTG TTC TTT GTC ACA ACC       708
115   Leu Val Val Ala Gly Cys Leu Val Pro Asn Leu Phe Phe Val Thr Thr
116                 165                 170                 175
117
118   AGC AAC AAA GGG ACC ACC GTC CTG TGC CAT GAC ACC ACT CGG CCT GAA       756
119   Ser Asn Lys Gly Thr Thr Val Leu Cys His Asp Thr Thr Arg Pro Glu
120               180                 185                 190
121
122   GAG TTT GAC CAC TAT GTG CAC TTC AGC TCG GCG GTC ATG GGG CTG CTC       804
123   Glu Phe Asp His Tyr Val His Phe Ser Ser Ala Val Met Gly Leu Leu
124           195                 200                 205
125
126   TTT GGC GTG CCC TGC CTG GTC ACT CTT GTT TGC TAT GGA CTC ATG GCT       852
127   Phe Gly Val Pro Cys Leu Val Thr Leu Val Cys Tyr Gly Leu Met Ala
128       210                 215                 220
129
130   CGT CGC CTG TAT CAG CCC TTG CCA GGC TCT GCA CAG TCG TCT TCT CGC       900
131   Arg Arg Leu Tyr Gln Pro Leu Pro Gly Ser Ala Gln Ser Ser Ser Arg
132   225                 230                 235                 240
133
134   CTC CGC TCT CTC CGC ACC ATA GCT GTG GTG CTG ACT GTC TTT GCT GTC       948
135   Leu Arg Ser Leu Arg Thr Ile Ala Val Val Leu Thr Val Phe Ala Val
136                 245                 250                 255
137
138   TGC TTC GTG CCT TTC CAC ATC ACC CGC ACC ATT TAC TAC CTG GCC AGG       996
139   Cys Phe Val Pro Phe His Ile Thr Arg Thr Ile Tyr Tyr Leu Ala Arg
140               260                 265                 270
141
142   CTG TTG GAA GCT GAC TGC CGA GTA CTG AAC ATT GTC AAC GTG GTC TAT      1044
143   Leu Leu Glu Ala Asp Cys Arg Val Leu Asn Ile Val Asn Val Val Tyr
144           275                 280                 285
145
146   AAA GTG ACT CGG CCC CTG GCC AGT GCC AAC AGC TGC CTG GAT CCT GTG      1092
147   Lys Val Thr Arg Pro Leu Ala Ser Ala Asn Ser Cys Leu Asp Pro Val
148       290                 295                 300
149
150   CTC TAC TTG CTC ACT GGG GAC AAA TAT CGA CGT CAG CTC CGT CAG CTC      1140
151   Leu Tyr Leu Leu Thr Gly Asp Lys Tyr Arg Arg Gln Leu Arg Gln Leu
152   305                 310                 315                 320
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153
154  TGT GGT GGT GGC AAG CCC CAG CCC CGC ACG GCT GCC TCT TCC CTG GCA      1188
155  Cys Gly Gly Gly Lys Pro Gln Pro Arg Thr Ala Ala Ser Ser Leu Ala
156                  325                 330                 335
157
158  CTA GTG TCC CTG CCT GAG GAT AGC AGC TGC AGG TGG GCG GCC ACC CCC      1236
159  Leu Val Ser Leu Pro Glu Asp Ser Ser Cys Arg Trp Ala Ala Thr Pro
160              340                 345                 350
161
162  CAG GAC AGT AGC TGC TCT ACT CCT AGG GCA GAT AGA TTC TAACACGGGA       1285
163  Gln Asp Ser Ser Cys Ser Thr Pro Arg Ala Asp Arg Phe
164          355                 360                 365
165
166  AGCCGGCAAG TGAGAGAAAA GGGGATGAGT GCAGGGCAGA GGTGAGGGAA CCCAATAGTG    1345
167
168  ATACCTGGTA AGGTGCTTCT TCCTCTTTTC CAGGCTCTGG AGAGAAGCCC TCACCCTGAG    1405
169
170  GGTTGCCACG GAGGCAGGGA TATC                                           1429
171
172
173  (2) INFORMATION FOR SEQ ID NO: 2:
174
175        (i) SEQUENCE CHARACTERISTICS:
176           (A) LENGTH: 365 amino acids
177           (B) TYPE: amino acid
178           (D) TOPOLOGY: linear
179
180     (ii) MOLECULE TYPE: protein
181     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
182
183  Met Ala Ser Thr Glu Ser Ser Leu Leu Arg Ser Leu Gly Leu Ser Pro
184    1               5                  10                  15
185
186  Gly Pro Gly Ser Ser Glu Val Glu Leu Asp Cys Trp Phe Asp Glu Asp
187               20                  25                  30
188
189  Phe Lys Phe Ile Leu Leu Pro Val Ser Tyr Ala Val Val Phe Val Leu
190           35                  40                  45
191
192  Gly Leu Gly Leu Asn Ala Pro Thr Leu Trp Leu Phe Ile Phe Arg Leu
193       50                  55                  60
194
195  Arg Pro Trp Asp Ala Thr Ala Thr Tyr Met Phe His Leu Ala Leu Ser
196   65                  70                  75                  80
197
198  Asp Thr Leu Tyr Val Leu Ser Leu Pro Thr Leu Ile Tyr Tyr Tyr Ala
199                   85                  90                  95
200
201  Ala His Asn His Trp Pro Phe Gly Thr Glu Ile Cys Lys Phe Val Arg
202               100                 105                 110
203
204  Phe Leu Phe Tyr Trp Asn Leu Tyr Cys Ser Val Leu Phe Leu Thr Cys
205           115                 120                 125
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206
207   Ile Ser Val His Arg Tyr Leu Gly Ile Cys His Pro Leu Arg Ala Leu
208       130                 135                 140
209
210   Arg Trp Gly Arg Pro Arg Leu Ala Gly Leu Leu Cys Leu Ala Val Trp
211   145                 150                 155                 160
212
213   Leu Val Val Ala Gly Cys Leu Val Pro Asn Leu Phe Phe Val Thr Thr
214                   165                 170                 175
215
216   Ser Asn Lys Gly Thr Thr Val Leu Cys His Asp Thr Thr Arg Pro Glu
217               180                 185                 190
218
219   Glu Phe Asp His Tyr Val His Phe Ser Ser Ala Val Met Gly Leu Leu
220           195                 200                 205
221
222   Phe Gly Val Pro Cys Leu Val Thr Leu Val Cys Tyr Gly Leu Met Ala
223       210                 215                 220
224
225   Arg Arg Leu Tyr Gln Pro Leu Pro Gly Ser Ala Gln Ser Ser Ser Arg
226   225                 230                 235                 240
227
228   Leu Arg Ser Leu Arg Thr Ile Ala Val Val Leu Thr Val Phe Ala Val
229                   245                 250                 255
230
231   Cys Phe Val Pro Phe His Ile Thr Arg Thr Ile Tyr Tyr Leu Ala Arg
232               260                 265                 270
233
234   Leu Leu Glu Ala Asp Cys Arg Val Leu Asn Ile Val Asn Val Val Tyr
235           275                 280                 285
236
237   Lys Val Thr Arg Pro Leu Ala Ser Ala Asn Ser Cys Leu Asp Pro Val
238       290                 295                 300
239
240   Leu Tyr Leu Leu Thr Gly Asp Lys Tyr Arg Arg Gln Leu Arg Gln Leu
241   305                 310                 315                 320
242
243   Cys Gly Gly Gly Lys Pro Gln Pro Arg Thr Ala Ala Ser Ser Leu Ala
244                   325                 330                 335
245
246   Leu Val Ser Leu Pro Glu Asp Ser Ser Cys Arg Trp Ala Ala Thr Pro
247               340                 345                 350
248
249   Gln Asp Ser Ser Cys Ser Thr Pro Arg Ala Asp Arg Phe
250           355                 360                 365
251
252   (2) INFORMATION FOR SEQ ID NO: 3:
253
254        (i) SEQUENCE CHARACTERISTICS:
255             (A) LENGTH: 35 base pairs
256             (B) TYPE: nucleic acid
257             (C) STRANDEDNESS: single
258             (D) TOPOLOGY: linear
```

**SEQUENCE VERIFICATION REPORT**
PATENT APPLICATION *US/09/077,173A*

DATE: 06/14/1999
TIME: 15:32:51

***INPUT SET: S32212.raw***

| Line | Error | Original Text |
|---|---|---|
| 5 | Mandatory Value Not Present | (i) APPLICANT: |
| 6 | Unknown or Misplaced Identifier | (A) NAME: EUROSCREEN S.A. |
| 7 | Unknown or Misplaced Identifier | (B) STREET: Avenue des Becassines 7 |
| 8 | Unknown or Misplaced Identifier | (C) CITY: BRUXELLES |
| 9 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 10 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1160 |
| 12 | Unknown or Misplaced Identifier | (A) NAME: COMMUNI DIDIER |
| 13 | Unknown or Misplaced Identifier | (B) STREET: Groendallaan 19 |
| 14 | Unknown or Misplaced Identifier | (C) CITY: VILVOORDE |
| 15 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 16 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1800 |
| 18 | Unknown or Misplaced Identifier | (A) NAME: PIROTTON SABINE |
| 19 | Unknown or Misplaced Identifier | (B) STREET: Avenue Marius Renard 27a |
| 20 | Unknown or Misplaced Identifier | (C) CITY: BRUXELLES |
| 21 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 22 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1070 |
| 24 | Unknown or Misplaced Identifier | (A) NAME: PARMENTIER MARC |
| 25 | Unknown or Misplaced Identifier | (B) STREET: Chausses d'Uccle 304 |
| 26 | Unknown or Misplaced Identifier | (C) CITY: LINKEBEEK |
| 27 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 28 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1604 |
| 30 | Unknown or Misplaced Identifier | (A) NAME: BOEYNAEMS JEAN-MARIE |
| 31 | Unknown or Misplaced Identifier | (B) STREET: Avenue Peter Benoit 5 |
| 32 | Unknown or Misplaced Identifier | (C) CITY: WEMMEL |
| 33 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 34 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1780 |